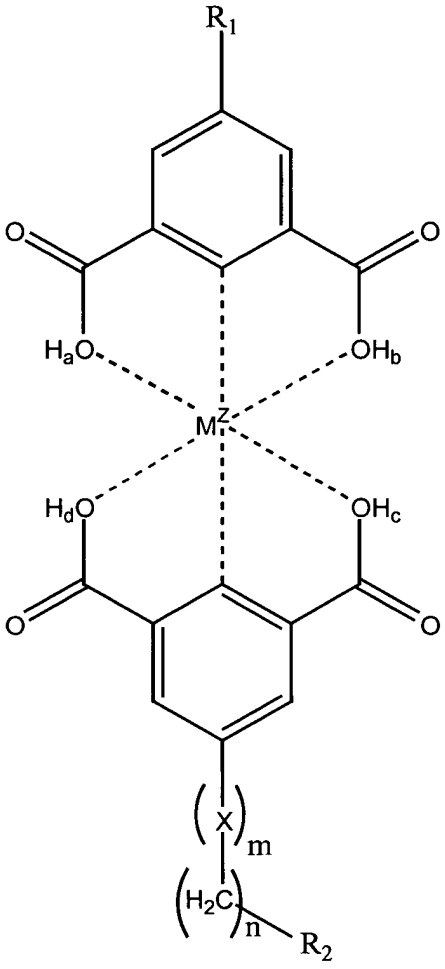


FIG. 1

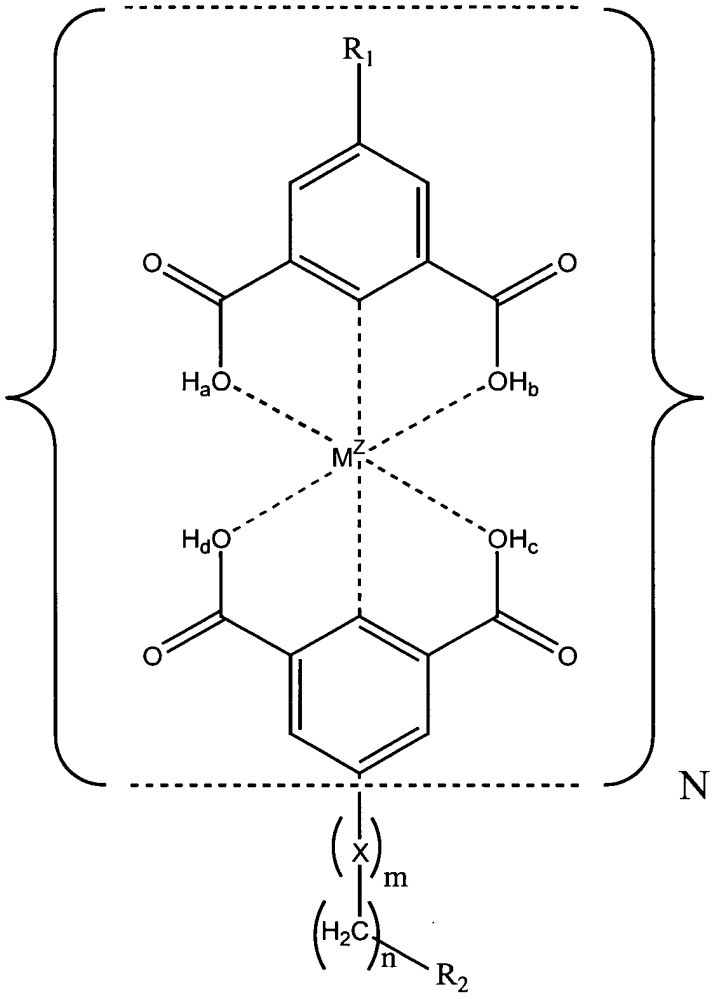


FIG. 2

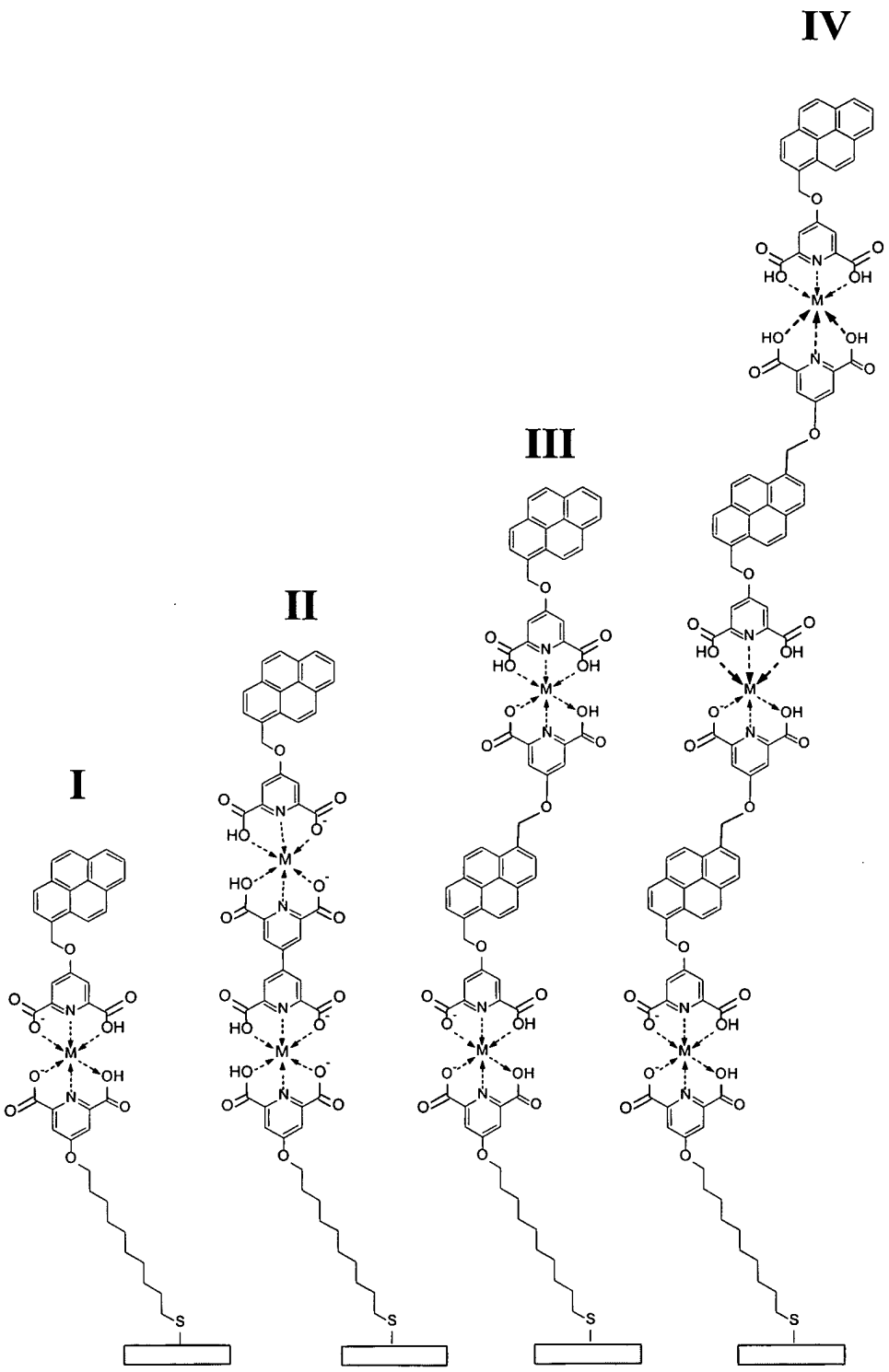


FIG. 3A FIG. 3B FIG. 3C FIG. 3D

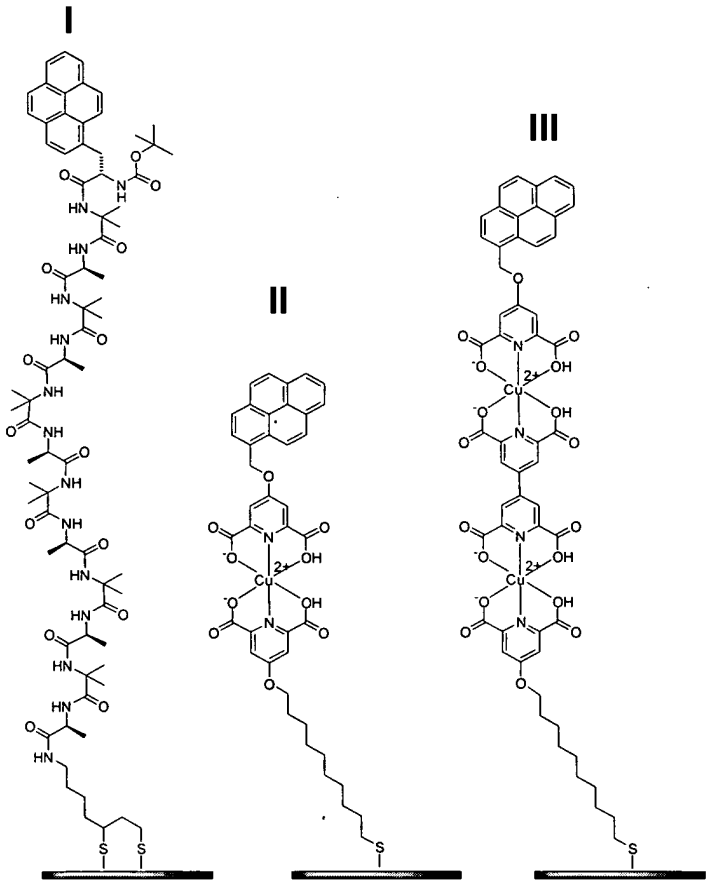


FIG. 4A FIG. 4B FIG. 4C

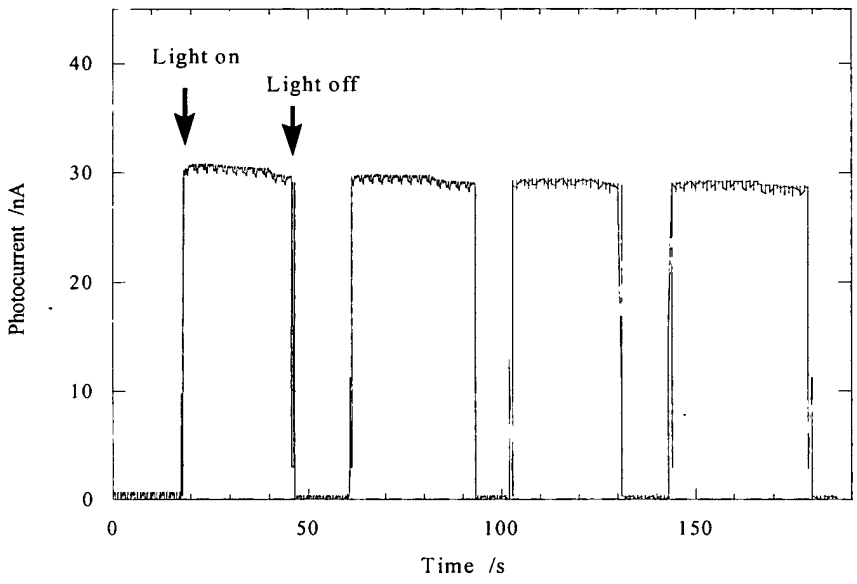

Light on
Light off
Photocurrent /nA
40
30
20
10
0
0
50
100
150
Time /s

FIG. 5

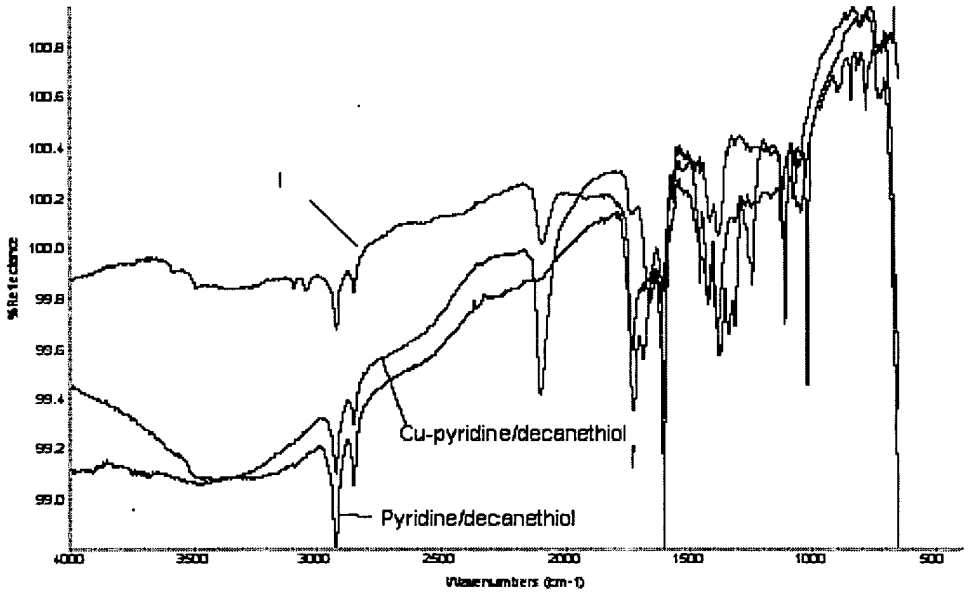
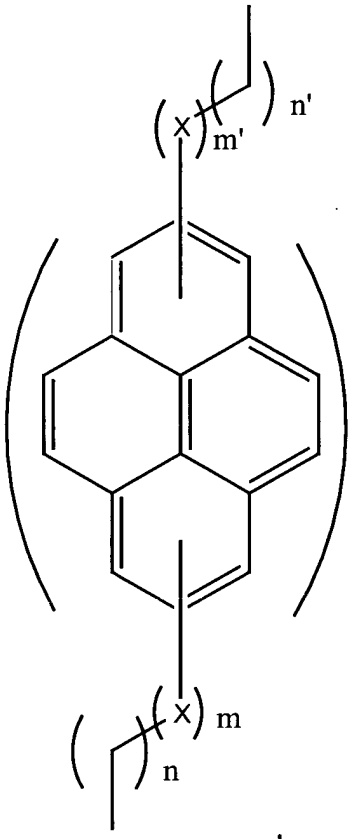

100.8
100.6
100.4
100.2
100.0
99.8
99.6
99.4
99.2
99.0
%Reflectance
4000
3500
3000
2500
2000
1500
1000
500
Wavenumbers (cm-1)
Cu-pyridine/decanethiol
Pyridine/decanethiol

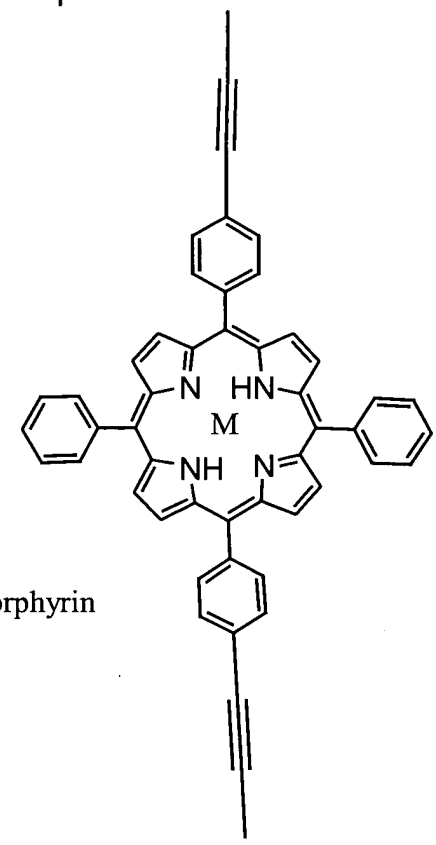
FIG. 6

Fig. 7A



Pyrene

Fig. 7B



Porphyrin